



1 **IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

2 INVENTORSHIP Stephen P. COLE, et al.
3 APPLICATION NO. 10/667,831
4 FILED SEPT. 22, 2003
5 ART UNIT 3663
6 CONFIRMATION NO. 1005
7 EXAMINER HUGHES, Scott A.
8 ATTORNEY DOCKET NO. FO01-P03

9 TITLE: **METHOD OF OBTAINING PORE PRESSURE AND FLUID SATURATION
10 CHANGES IN SUBTERRANEAN RESERVOIRS BY FORWARD MODELING**

12 **SUPPLEMENTAL DECLARATION OF JOINT INVENTORS**

13 **FOR PATENT APPLICATION**

15 I hereby declare that:

16 My residence, post office address and citizenship are as stated below next to my name.

17 I believe I am the original, first and joint inventor of the subject matter which is claimed
18 and for which a patent application is sought on the invention entitled: METHOD OF
19 OBTAINING PORE PRESSURE AND FLUID SATURATION CHANGES IN
20 SUBTERRANEAN RESERVOIRS BY FORWARD MODELING, filed as U.S. Patent
21 Application Serial No. 10/667,831 on September 22, 2003.

22 I further declare that I am a co-author of the paper entitled, *Pressure and saturation*
23 *inversion of 4D seismic data by rock physics forward modeling*, published at pages 2475-2478 in
24 the Expanded Abstracts of the 72nd Annual International Meeting, Society of Exploration
25 Geophysicists, Oct. 10, 2002 (hereinafter, "Cole et al.").

1 We hereby jointly state that all of the content in the above referenced paper ("Cole et
2 al.") that corresponds to the claims in U.S. Patent Application Serial No. 10/667,831, was
3 authored by ourselves, and no one else.

4 I hereby declare that all statements made herein of my own knowledge are true and that
5 all statements made on information and belief are believed to be true; and further that these
6 statements were made with the knowledge that willful false statements and the like so made are
7 punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States
8 Code and that any such willful false statement may jeopardize the validity of the application or
9 any patent issued therefrom.

10 * * * * *

11 Full name of inventor: **Stephen P. COLE**

13 Inventor's Signature: Stephen P Cole

14 Date: May 19, 2005

15 Residence: **Huntington Beach, CA**

16 Citizenship: **US**

17 Post Office Address: **10171 Kukui Drive**

18 **Huntington Beach, CA 92646**

20 * * * * *

22 (Continued on next page.)

1 Full name of inventor: **David E. LUMLEY**

2 Inventor's Signature:



3
4 Date: MAY 19, 2005

5 Residence: **Laguna Beach, CA**

6 Citizenship: **US**

7 Post Office Address: **995 La Mirada Street**

8 **Laguna Beach, CA 92651**

9 * * * * *

10 Full name of inventor: **Mark A. MEADOWS**

11 Inventor's Signature:



12 Date:

13 May 19, 2005

14 Residence: **Aliso Viejo, CA**

15 Citizenship: **US**

16 Post Office Address: **7 Meadowpoint**

17 **Aliso Viejo, CA 92656**

18 * * * End * * *